

XC21A Operational description:

Composite video signals are FM modulated.

The composite video output from a VCR or other suitable video source is connected to the RCA video jack of the XC21A. After pre-emphasis, the video is FM modulated and passed to the 2.4 GHz transmitter. The 2.4 GHz transmitter has a 4 channel selector switch to transmit the video and audio signals at either 2.411 GHz, 2.434 GHz, 2.453 GHz, or 2.472 GHz, with a bandwidth of 18 MHz, via a patch antenna.

The XC21A also includes a 310 MHz superregenerative receiver, which decodes RF transmissions from a remote control (not part of this report) via a microprocessor and translates these signals into Pan Tilt and zoom commands on the camera.